

**ABSTRACT**

A fragmenting rotor assembly for waste wood and other fragmentable material has a drive shaft and mechanism for driving the shaft in a direction of rotation. A series of radially projecting hammers are situated along the axis of the shaft and powered by the shaft. Fragmenting knives are removably secured to the leading outer portions of the hammers and deflector members are mounted in radial alignment with said hammers and have outer ends traveling in a circumferential path of lesser radial extent than the circumferential path of the knife edges. The rotary paths of axially adjacent knives axially intersect along the axis of the shaft.